

Deposit Account No. 06-1300 (Order No. A-61105-11/DJB). A duplicate copy of this sheet is attached.

Please amend this application in the following respects:

In the Claims:

26. (Twice Amended) A method of transplanting neural stem cell progeny to a host comprising:

(a) obtaining a population of cells derived from mammalian neural tissue containing at least one multipotent neural stem cell capable of producing progeny that are capable of differentiating into neurons, astrocytes, and oligodendrocytes;

(b) preparing a culture medium containing [at least] one or more growth factors capable of inducing multipotent neural stem cell proliferation

(c) preparing a cell culture by combining the cells obtained in (a) with the culture medium prepared in (b) to induce proliferation of said multipotent neural stem cell to produce neural stem cell progeny which includes daughter multipotent neural stem cells; and

(d) transplanting said multipotent neural stem cell progeny to said host.

32. (Amended) The method of claim 26 wherein said one or more growth factors in the culture medium prepared in (b) is selected from the group consisting of epidermal growth factor, amphiregulin, acidic fibroblast growth factor, basic fibroblast growth factor, transforming growth factor alpha, and combinations thereof.

33. (Amended) The method of claim 32 wherein said one or more growth factors in the culture medium prepared in (b) is epidermal growth factor.